

embodiment of the present invention.

Fig. 3 is a perspective view of a first electric current fed loop antenna unit in the first embodiment of the present invention.

Fig. 4 is a perspective view of a first non-electric current fed loop antenna unit in the first embodiment of the present invention.

Fig. 5 is a perspective view showing a first using example in the first embodiment of the present invention.

Fig. 6 is a perspective view of a second electric current fed loop antenna unit in the first embodiment of the present invention.

Fig. 7 is a perspective view of a second non-electric current fed loop antenna unit in the first embodiment of the present invention.

Fig. 8 is a perspective view showing a second using example in the first embodiment of the present invention.

Fig. 9(a) is a perspective view of a radio communication medium device in the first embodiment of the present invention.

Fig. 9(b) is a sectional view of the radio communication medium device in the first embodiment of the present invention.

Fig. 10(a) is an exploded view of the loop antenna unit in the first embodiment of the present invention.

Fig. 10(b) is a side sectional view of the loop antenna unit in the first embodiment of the present invention.

Fig. 11 is a perspective view showing a using example of a radio communication medium processor in a second embodiment of the present invention.

Fig. 12 is a perspective view showing a second using example of the radio communication medium processor in the second embodiment of the present invention.

Fig. 13(a) is a perspective view of a loop antenna unit in a third embodiment of the present invention.

Fig. 13(b) is a side view of the loop antenna unit in the third embodiment of the present invention.

Fig. 14(a) is a perspective view showing a loop antenna unit in a fourth embodiment of the present invention.

Fig. 14(b) is a side view of the loop antenna unit in the fourth embodiment of the